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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b>				<b>R-1 ITEM NOMENCLATURE</b>							
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				PE 0604272N: <i>Tact Air Dir Infrared CM (TADIRCM)</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	49.067	51.693	64.107	-	64.107	61.930	38.607	39.496	40.139	Continuing	Continuing
3040: <i>TADIRCM</i>	49.067	-	-	-	-	-	-	-	-	0.000	49.067
3302: <i>JATAS</i>	-	51.693	64.107	-	64.107	57.475	31.463	1.820	-	0.000	206.558
3304: <i>CIRCM</i>	-	-	-	-	-	4.455	7.144	37.676	40.139	Continuing	Continuing

**Note**

Joint and Allied Threat Awareness System (JATAS) work performed in this program element under project unit (PU) 3040 is moved to an individual PU 3302 for efforts beginning in FY 2011.  
New PU 3304 Common Infrared Countermeasures is a new start for the Navy with efforts to begin in FY 2013.

**A. Mission Description and Budget Item Justification**

This element includes development of electronic warfare systems for the United States Navy and United States Marine Corps assault and strike aircraft. This includes the development and testing of advanced Infrared Countermeasures systems for emerging threats and emergency contingencies. Realignment of project units from Tactical Aircraft Directed Infrared Countermeasures (TADIRCM) to Joint and Allied Threat Awareness System (JATAS) begins in FY 2011.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>
Previous President's Budget	50.484	51.693	48.614	-	48.614
Current President's Budget	49.067	51.693	64.107	-	64.107
Total Adjustments	-1.417	-	15.493	-	15.493
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-1.196	-			
• Program Adjustments	-	-	16.085	-	16.085
• Section 219 Reprogramming	-0.216	-	-	-	-
• Rate/Misc Adjustments	-	-	-0.592	-	-0.592
• Congressional General Reductions	-0.005	-	-	-	-
Adjustments					

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)	R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)	
<p><b><u>Change Summary Explanation</u></b></p> <p>Schedule: Planned award date of the JATAS Engineering &amp; Manufacturing Development contract slipped from first quarter FY 2011 to third quarter FY 2011, causing JATAS milestones and deliveries to slip accordingly. Contract award was adjusted from first quarter FY 2011 to third quarter FY 2011 to accommodate the new SECNAV 5000 acquisition gate process and allow sufficient time for the NAVAIR source selection process on competitive prototyping.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)				PROJECT 3040: TADIRCM			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3040: TADIRCM	49.067	-	-	-	-	-	-	-	-	0.000	49.067
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The Tactical Aircraft Directed Infrared Countermeasures (TADIRCM) system provides the war fighter with protection against surface and air-to-air missiles. This project looks at an advanced Infrared Countermeasure (IRCM) capability for USN/USMC rotary wing/tilt rotor assault aircraft against Infrared (IR) Man Portable Air Defense System and Surface-to-Air threats. This project is divided into two components: 1) An advanced missile warning threat detection capability named Joint and Allied Threat Awareness System (JATAS) and 2) An advanced IR countermeasure capability Assault Directed Infrared Countermeasure (DIRCM). OSD has designated the U.S. Army as the lead to develop and field DIRCM capability assault aircraft. The Army program has been designated Common Infrared Countermeasures (CIRCM). JATAS will be the front end of an integrated survivability suite. It will require integration with the APR-39 or follow-on Radar Warning Receiver/Electronic Warfare integration bus, the ALE-47 Countermeasures Dispensing System, and a number of joint and allied platforms. It will also provide advanced capabilities that require extensive testing & evaluation of IRCM techniques.											
New PU 3302 JATAS was established to begin in FY 2011. Prior year efforts (FY 2008 - FY 2010) were funded via PU 3040 (TADIRCM).											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: TADIRCM JATAS  Articles:  Description: Joint and Allied Threat Awareness System is required to provide assault aircraft with a reliable surface-to-air IR missile/Hostile Fire Indication (HFI) threat detection system.  FY 2010 Accomplishments: Funded engineering and program management efforts to support the JATAS Technology Development (TD) phase contract award. Incrementally funded the JATAS TD contract and continued development of Hostile Fire Indication (HFI) algorithms.								47.967	-	-	
								0			
Title: TADIRCM Assault  Articles:  Description: Assault Directed Infrared Countermeasure system will counter current and future IR threats.  FY 2010 Accomplishments:								0.100	-	-	
								0			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Navy		<b>DATE:</b> February 2011	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>		<b>R-1 ITEM NOMENCLATURE</b> PE 0604272N: <i>Tact Air Dir Infrared CM (TADIRCM)</i>	<b>PROJECT</b> 3040: <i>TADIRCM</i>
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2010</b>	<b>FY 2011</b>
Funded engineering and program management efforts to support the US Army's CIRCM Milestone B and planned contract award in FY 2012. Conduct an early operational assessment flight test demonstration of a light weight DIRCM capability on an assault aircraft.			
<b>Title:</b> JATAS and CIRCM Pre-MS B, Risk Reduction, EMD Effort  <b>Description:</b> Risk reduction efforts for JATAS and CIRCM programs.  <b>FY 2010 Accomplishments:</b> Funded the development of applicable modeling and simulation for both programs. Risk reduction efforts in the area of HFI for JATAS and risk reduction/technology development efforts to reduce the size and weight an Assault DIRCM Pointer Tracker System.		<b>Articles:</b> 1.000 0	-  -
<b>Accomplishments/Planned Programs Subtotals</b>		49.067	-
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>D. Acquisition Strategy</b>			
OPNAV (N88) completed an Analysis of Alternatives (AoA) in March 2007 to address the need for an assault DIRCM capability for assault (rotary wing) platforms. Based on the results of the AoA, an evolutionary acquisition strategy will be used to develop an advanced IRCM capability for USN/USMC rotary wing and tilt rotor assault aircraft. This acquisition approach will consist of two program increments 1) the development, test, and fielding of a Missile Warning capability to detect surface-to-air and air-to-air IR threats and 2) a DIRCM system to counter current and future IR threats. The DIRCM sends directed laser energy to defeat the incoming IR threat when it is detected by the missile warning system. This approach will accelerate fielding of the missile warning capability while allowing DIRCM technology to mature. DIRCM technology maturation is required to support the size and weight constraints of USN/USMC assault platforms. The first increment of an Assault DIRCM capability is the missile warning component. This missile warning component has been designated by N88 as the JATAS. A JATAS TD phase contract was awarded in FY 2009 and an Engineering & Manufacturing Development (EMD) contract award is planned for FY 2011. JATAS Initial Operational Capability is planned for FY 2015. The Army was designated as the lead service for developing a DIRCM capability for assault aircraft. Assault DIRCM designated by the Army as the CIRCM has a planned Milestone B for FY 2012.			
<b>E. Performance Metrics</b>			
Competitive TD contract awarded (2 contractors) in Sept 2009. Incremental funding for FY 2010 to both contractors. Down select to one contractor in FY 2011 for EMD contract award.			

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)				PROJECT 3302: JATAS			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3302: JATAS	-	51.693	64.107	-	64.107	57.475	31.463	1.820	-	0.000	206.558
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The Joint and Allied Threat Awareness System (JATAS) is required to provide assault aircraft with a reliable surface-to-air Infrared (IR) missile/Hostile Fire Indication (HFI) threat detection system. This capability must provide accurate and timely warning in all flight regimes, ambient light conditions, clutter backgrounds and weather conditions. It must be capable of providing countermeasure cueing to flares and/or a Directional Infra-red Countermeasures (DIRCM). JATAS will enable assault Aircraft Survivability Equipment (ASE) to detect and provide countermeasure cueing to current and emerging threats. Lead Department of the Navy platform for this capability is the MV-22. Project was previously funded by the Tactical Aircraft Directed Infrared Countermeasure (TADIRCM) project unit.											
New PU 3302 JATAS was established to begin in FY 2011. Prior year efforts (FY 2008 - FY 2010) were funded via PU 3040 (TADIRCM).											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: JATAS Technology Demonstration  Articles:  Description: Complete Technology Development (TD) phase and program support for JATAS. Program will provide assault aircraft with a reliable surface-to-air IR missile/HFI threat detection system.  FY 2011 Plans: FY 2011 Base: Complete the execution of the JATAS Technology Development (TD) phase efforts including down select to the Engineering & Manufacturing Development (EMD) vendor. Plan to conduct Preliminary Design Review (PDR), complete TD phase contract, and select vendor for the EMD contract.								-	25.500 0	-	
Title: JATAS Engineering & Manufacturing Development (EMD)  Articles:  Description: Enter EMD phase and provide program support for EMD phase.  FY 2011 Plans: Plan to execute an EMD contract award to begin development of JATAS and conduct an integrated baseline review. Tasks to be completed include Integrated Baseline Review (IBR).  FY 2012 Plans:								-	18.087 0	50.132 0	

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Navy							<b>DATE:</b> February 2011				
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0604272N: <i>Tact Air Dir Infrared CM (TADIRCM)</i>			<b>PROJECT</b> 3302: JATAS				

  

<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
Plan to conduct Critical Design Review (CDR), Test Readiness Review, and begin delivery of Engineering Development Model units to support contractor test and development.			
<b>Title:</b> JATAS Integration  <b>Description:</b> Provide platform integration support and JATAS A-kit development.  <b>FY 2011 Plans:</b> Continuation of aircraft integration efforts with the JATAS lead platform and execute A-kit development contract.  <b>FY 2012 Plans:</b> Plan to conduct A-kit PDR and CDR.	-	8.106 0	13.975 0
<b>Accomplishments/Planned Programs Subtotals</b>	-	51.693	64.107

  

<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• APN/057600: JATAS	0.000	0.000	0.000	0.000	0.000	0.000	18.684	31.223	20.763	1,103.622	1,174.292

  

<b>D. Acquisition Strategy</b>
OPNAV (N88) completed an Analysis of Alternatives (AoA) in March 2007 to address the need for a Assault DIRCM capability for assault (rotary wing) platforms. Based on the results of the AoA, an evolutionary acquisition strategy will be used to develop an advanced Infrared Countermeasure capability for USN/USMC rotary wing and tilt rotor assault aircraft. This acquisition approach will consist of two program increments 1) the development, test, and fielding of a Missile Warning capability to detect surface-to-air and air-to-air Infrared (IR) threats and 2) a DIRCM system to counter current and future IR threats. The DIRCM sends directed laser energy to the incoming IR threat once detected by the missile warning system. This approach will accelerate fielding of the missile warning capability while allowing DIRCM technology to mature. DIRCM technology maturation is required to support the size and weight constraints of USN/USMC assault platforms. The first increment of an Assault DIRCM capability is the missile warning component. This missile warning component has been designated by N88 as the JATAS. A JATAS TD phase contract was awarded in FY 2009 and an EMD contract award is planned for FY 2011. JATAS Initial Operational Capability is planned for FY 2015.

  

<b>E. Performance Metrics</b>
Award of JATAS EMD contract planned for third quarter FY 2011.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)				PROJECT 3302: JATAS						
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Primary Hdw Dev JATAS I	C/CPIF	ATK:Orlando, FL	-	9.584	Nov 2010	-		-		-	0.000	9.584	9.584	
Primary Hdw Dev JATAS I	C/CPIF	LM:Woodland Hills, CA	-	9.585	Nov 2010	-		-		-	0.000	9.585	9.585	
Primary Hdw Dev JATAS II	C/CPIF	TBD:TBD	-	11.758	May 2011	38.000	Apr 2012	-		38.000	32.225	81.983	81.983	
Aircraft Integration JATAS II	C/CPIF	TBD:TBD	-	6.700	May 2011	11.609	Apr 2012	-		11.609	8.059	26.368	26.368	
Modeling/Simulation JATAS	WR	Various:Various	-	0.800	Nov 2010	-		-		-	0.000	0.800		
Sys Eng Govt JATAS	WR	NAWCAD:Pax River, MD	-	1.195	Nov 2010	2.644	Dec 2011	-		2.644	11.000	14.839		
Sys Eng Govt JATAS	WR	Various:Various	-	-		0.270	Dec 2011	-		0.270	0.000	0.270		
Subtotal			-	39.622		52.523		-		52.523	51.284	143.429		
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Configuration Mgmt JATAS	WR	Various:Various	-	0.200	Nov 2010	0.200	Dec 2011	-		0.200	0.900	1.300		
Integrated Logistics JATAS I	WR	Various:Various	-	0.250	Nov 2010	0.256	Dec 2011	-		0.256	0.900	1.406		
Integrated Logistics JATAS II	C/CPFF	TSD:Orlando	-	0.525	Jun 2011	0.355	Jun 2012	-		0.355	1.365	2.245	2.245	
Sw Dev JATAS	WR	NAWCWD:Point Mugu	-	0.750	Nov 2010	0.553	Dec 2011	-		0.553	1.000	2.303		
Subtotal			-	1.725		1.364		-		1.364	4.165	7.254		
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
Developmental T&E JATAS	WR	Various:Various	-	1.110	Apr 2011	2.169	Dec 2011	-		2.169	10.600	13.879		
Operational T&E JATAS	WR	Various:Various	-	0.400	Apr 2011	0.256	Jan 2012	-		0.256	9.647	10.303		
ENG & Eval JATAS	C/CPFF	TBD:Not Specified	-	0.157	Apr 2011	0.367	Dec 2011	-		0.367	2.301	2.825	2.825	
ENG & Eval Govt JATAS	WR	Various:Various	-	0.873	Nov 2010	0.893	Jan 2012	-		0.893	2.000	3.766		
Live Fire Support JATAS	WR	Various:Various	-	1.560	Apr 2011	-		-		-	0.300	1.860		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Navy										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 4: Advanced Component Development & Prototypes (ACD&P)				R-1 ITEM NOMENCLATURE PE 0604272N: Tact Air Dir Infrared CM (TADIRCM)				PROJECT 3302: JATAS					
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Test Assets JATAS	WR	NAWCWD:China Lake	-	0.540	Apr 2011	2.374	Jan 2012	-		2.374	4.000	6.914	
Subtotal			-	4.640		6.059		-		6.059	28.848	39.547	
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Contractor Eng Supt JATAS	C/CPFF	Various:Various	-	0.726	Jan 2011	0.331	Dec 2011	-		0.331	1.593	2.650	2.650
Govt Eng Supt JATAS	WR	NAWCWD:Point Mugu	-	1.252	Nov 2010	1.842	Dec 2011	-		1.842	0.478	3.572	
Program Mgmt Supt JATAS	C/CPFF	Various:Various	-	1.100	Jan 2011	0.880	Dec 2011	-		0.880	3.240	5.220	5.220
Travel JATAS	WR	NAVAIR:Various	-	0.200	Nov 2010	0.150	Dec 2011	-		0.150	0.300	0.650	
Direct Support Costs JATAS	WR	Various:Various	-	1.150	Nov 2010	-		-		-	0.000	1.150	
Cost Analysis Supt JATAS	WR	NAWCAD:Pax River, MD	-	0.700	Nov 2010	0.830	Dec 2011	-		0.830	0.850	2.380	
NAWCAD Pax Supt JATAS	WR	NAWCAD:Pax River, MD	-	0.578	Nov 2010	0.128	Dec 2011	-		0.128	0.000	0.706	
Subtotal			-	5.706		4.161		-		4.161	6.461	16.328	
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			-	51.693		64.107		-		64.107	90.758	206.558	
Remarks													
1. FY11 Primary Hdw Dev JATAS I from 8.534 to 19.169, split between two performers (9.584 for ATK and 9.585 for LM), to reflect extension of contract through mid-year FY11. 2. FY11 Primary Hdw Dev JATAS II from 20.751 to 11.758 reflects schedule slip to 3rd quarter FY11 3. FY11 Integrated Logistics JATAS I from 1.600 to .250 reflects reallocation of resources to ensure sufficient funding to execute TD contract. 4. FY11 ENG & Eval JATAS from 0.000 to .157. Funds broken out from Eng/Eval Govt line to reflect work done by a contractor. 5. FY11 ENG & Eval Govt JATAS from 1.030 to .873 to show funds moved to Eng&Eval line to reflect work done by a contractor. 6. FY11 Program Mgmt Supt JATAS from .750 to 1.100 reflects additional support to assist IPT while in source selection.													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Navy		DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	R-1 ITEM NOMENCLATURE PE 0604272N: <i>Tact Air Dir Infrared CM (TADIRCM)</i>	PROJECT 3302: JATAS

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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 Navy			<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604272N: <i>Tact Air Dir Infrared CM (TADIRCM)</i>	<b>PROJECT</b> 3302: <i>JATAS</i>	

**Schedule Details**

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b>JATAS</b>				
Acquisition Milestones: Milestones: Capabilities Production Document (CPD)	3	2013	3	2013
Acquisition Milestones: Milestones: Milestone C	1	2014	1	2014
Acquisition Milestones: Milestones: Beyond Low-Rate Initial Production Report (BLRIP)	1	2015	1	2015
Acquisition Milestones: Milestones: Joint Allied Threat Awareness System (JATAS) Initial Operational Capability (IOC)	3	2015	3	2015
Systems Development: Technology Readiness Assessment for Milestone C (TRA MC)	3	2013	4	2013
Systems Development: Functional Configuration Audit (FCA)	4	2013	4	2013
Systems Development: Physical Configuration Audit (PCA)	1	2015	1	2015
Systems Development: Reviews: Integrated Baseline Review 2 IBR	1	2012	1	2012
Systems Development: Reviews: Preliminary Design Review (PDR) - A-kit	1	2012	1	2012
Systems Development: Reviews: Critical Design Review (CDR)	2	2012	2	2012
Systems Development: Reviews: Critical Design Review (CDR) - A-kit	3	2012	3	2012
Systems Development: Reviews: Test Readiness Review - Contractor (TRR Cont)	3	2012	3	2012
Systems Development: Reviews: Test Readiness Review - Government (TRR Govt)	1	2013	1	2013
Systems Development: Reviews: Flight Readiness Review (FRR)	1	2013	1	2013
Systems Development: Reviews: Reproduction Readiness Review (PRR)	4	2013	4	2013
Systems Development: Reviews: Operational Test Readiness Review (OTRR)	2	2014	2	2014
Test & Evaluation: Contractor Test and Evaluation (CT+E)	3	2012	1	2013
Test & Evaluation: OT Report 1 (OT)	4	2013	4	2013
Test & Evaluation: OT Report 2 (OT)	4	2014	4	2014
Test & Evaluation: Independent Operational Test and Evaluation (IOT&E)	3	2014	3	2014
Test & Evaluation: Technical Evaluation: Initial Test and Evaluation (IT&E)	1	2013	2	2014

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**Exhibit R-4A, RDT&E Schedule Details:** PB 2012 Navy **DATE:** February 2011

<b>APPROPRIATION/BUDGET ACTIVITY</b> 1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0604272N: <i>Tact Air Dir Infrared CM</i> (TADIRCM)	<b>PROJECT</b> 3302: JATAS
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Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Test & Evaluation: Operational Evaluation: Operational Assessment (OA)	4	2013	4	2013
Production Milestones: Contract Awards: Engineering & Manufacturing Development Award (EMD)	3	2011	3	2011
Production Milestones: Contract Awards: Low-Rate Initial Production (LRIP) I (RD TEN)	1	2014	1	2014
Production Milestones: Contract Awards: Full Rate Production (FRP) I Award	2	2015	2	2015
Production Milestones: Contract Awards: Full Rate Production (FRP) 2 Award	2	2016	2	2016
Deliveries: Engineering Development Model (EDM) Deliveries (2)	3	2012	3	2012
Deliveries: Engineering Development Model (EDM) Deliveries (9)	4	2012	1	2013
Deliveries: Engineering Development Model (EDM) Deliveries (3)	1	2014	1	2014
Deliveries: Low-Rate Initial Production Deliveries	1	2015	1	2016
Deliveries: Full Rate Production (FRP) I Deliveries	3	2016	4	2016

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Navy	<b>DATE:</b> February 2011
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT			
1319: <i>Research, Development, Test &amp; Evaluation, Navy</i> BA 4: <i>Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>				PE 0604272N: <i>Tact Air Dir Infrared CM</i> (TADIRCM)				3304: <i>CIRCM</i>			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
3304: <i>CIRCM</i>	-	-	-	-	-	4.455	7.144	37.676	40.139	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

**A. Mission Description and Budget Item Justification**

Common Infrared Countermeasures is a new start for the Navy with efforts to begin in FY 2013. No funding in the budget years.

**B. Accomplishments/Planned Programs (\$ in Millions)**

N/A

**C. Other Program Funding Summary (\$ in Millions)**

N/A

**D. Acquisition Strategy**

Common Infrared Countermeasures is a new start for the Navy with efforts to begin in FY 2013. No funding in the budget years.

**E. Performance Metrics**

Common Infrared Countermeasures is a new start for the Navy with efforts to begin in FY 2013. No funding in the budget years.

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